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WIRED BACKBONE NETWORK 102

FIG. 1

FIG. 3

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FIG. 2

Blakely, Sokoloff, Taylor & Zafman LLP   (714) 557-3800
Title: Automatic Distribution of RTS and Frag Thresholds
1st Named Inventor: Jonathan M. Zweig
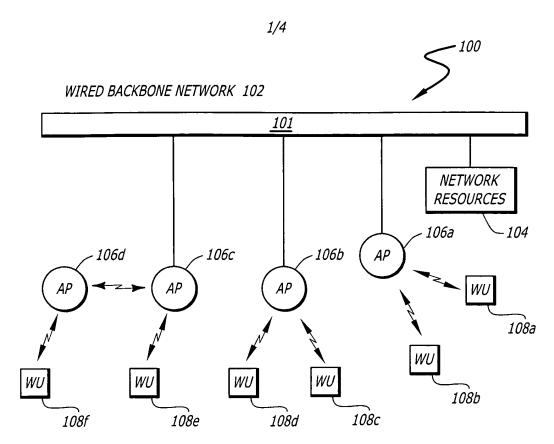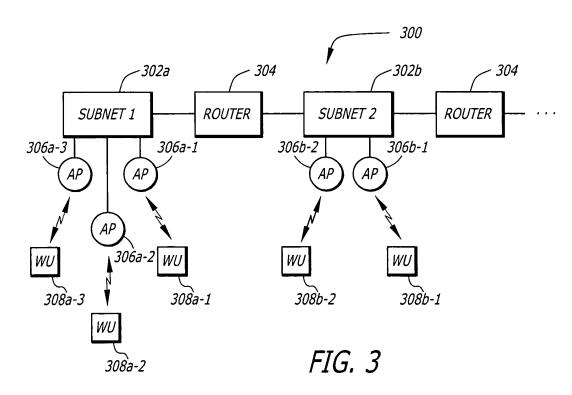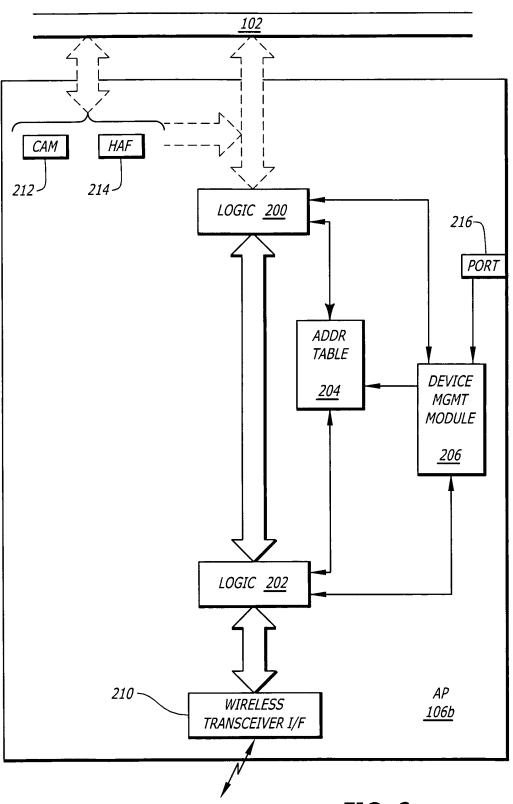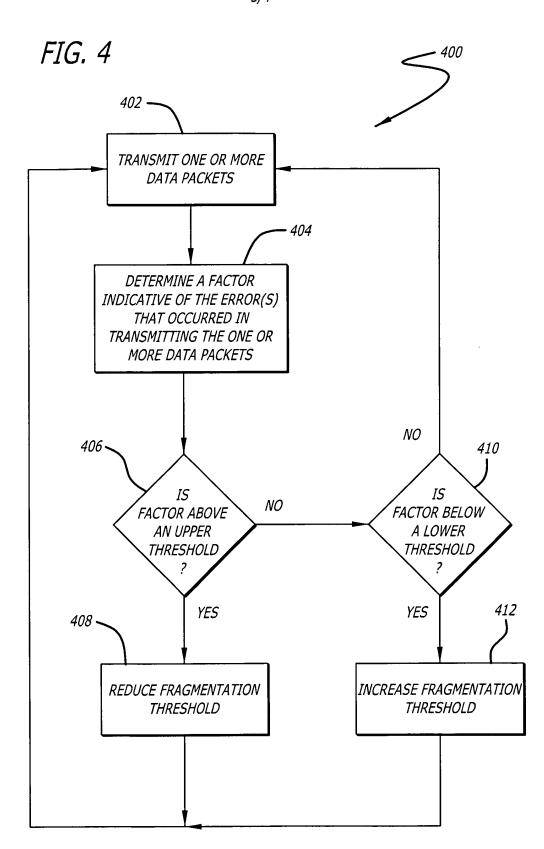Application No.: 09/751,334   Docket No.: 3239P072
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FIG. 4

400

402

```
TRANSMIT ONE OR MORE
DATA PACKETS
```

404

```
DETERMINE A FACTOR
INDICATIVE OF THE ERROR(S)
THAT OCCURRED IN
TRANSMITTING THE ONE OR
MORE DATA PACKETS
```

406

```
IS
FACTOR ABOVE
AN UPPER
THRESHOLD
?
```

NO

410

```
IS
FACTOR BELOW
A LOWER
THRESHOLD
?
```

NO

YES

408

```
REDUCE FRAGMENTATION
THRESHOLD
```

YES

412

```
INCREASE FRAGMENTATION
THRESHOLD
```

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FIG. 5

DIVISIONAL FACTOR	DATA RATE M BY TESTS	TIME LINE
1	11	DATA 1500 BYTES 136 µS ACK
2	11	DATA 750 BYTES 68 µS ACK DATA 750 BYTES 68 µS ACK
2	5.5	DATA 750 BYTES 136 µS ACK
4	5.5	DATA 375 BYTES 68 µS ACK DATA 375 BYTES 68 µS ACK

TO / FROM AP

600

602

WIRELESS TRANSCEIVER

606

MEMORY

LOGIC

604

USER INTERFACE

608

FIG. 6